

Title (en)
PITCH TROUBLE PREVENTION METHOD

Title (de)
VERFAHREN ZUR VERHINDERUNG VON HARZABLAGERUNGEN

Title (fr)
PROCÉDÉ POUR PRÉVENIR UN PROBLÈME DE POIX

Publication
EP 3767029 A4 20211215 (EN)

Application
EP 18909275 A 20181128

Priority
• JP 2018046987 A 20180314
• JP 2018043792 W 20181128

Abstract (en)
[origin: EP3767029A1] There is provided an efficient pitch trouble prevention method in a papermaking step of paper production. The pitch trouble prevention method in a papermaking step of paper production includes: an aeration step of exposing at least one of white water and adjusted water to gas; and a pitch control agent addition step of adding a pitch control agent to at least one of the white water and the adjusted water.

IPC 8 full level
D21H 21/02 (2006.01)

CPC (source: EP KR US)
D21C 9/08 (2013.01 - EP KR); **D21H 21/02** (2013.01 - EP KR US); **Y02W 10/10** (2015.05 - EP); **Y02W 30/64** (2015.05 - EP)

Citation (search report)
• [Y] JP H0376885 A 19910402 - HONSHU PAPER CO LTD
• [Y] JP 2017110326 A 20170622 - AQUAS CORP
• [Y] WO 2015005404 A1 20150115 - KURITA WATER IND LTD [JP]
• [A] JP H0748795 A 19950221 - SUMITOMO SEIKA CHEMICALS
• [A] JP H10219580 A 19980818 - KOBE STEEL LTD
• [A] JP 2010084242 A 20100415 - TOHO CHEM IND CO LTD
• See references of WO 2019176182A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3767029 A1 20210120; EP 3767029 A4 20211215; CN 111819329 A 20201023; JP 2019157308 A 20190919; JP 6569758 B1 20190904; KR 102585655 B1 20231005; KR 20200128035 A 20201111; KR 20230074859 A 20230531; TW 201938879 A 20191001; TW I757563 B 20220311; US 2020407921 A1 20201231; WO 2019176182 A1 20190919

DOCDB simple family (application)
EP 18909275 A 20181128; CN 201880090897 A 20181128; JP 2018043792 W 20181128; JP 2018046987 A 20180314; KR 20207026067 A 20181128; KR 20237017616 A 20181128; TW 107142644 A 20181129; US 201816979534 A 20181128